

IN THE CLAIMS:

1. (Currently Amended) A data base for the storage of data, ~~which comprises said data base~~ comprising at least one of dental data concerning universally applicable dentition-specific features and/or ~~and~~ universally applicable tooth-specific features, ~~characterized in that wherein~~ the dental data illustrate real teeth as images in digitized form and ~~this said digitized form also~~ involves one of universally applicable dentition-specific ~~features or~~ tooth-specific features or ~~and~~ structural properties, ~~such as including at least one of sex-specific and/or, tooth family-specific and/or, biography-specific and/or, and~~ person-specific characteristics, with or without anomalous characteristics.
2. (Currently Amended) A data base ~~as defined in~~ according to claim 1, ~~characterized in that wherein~~ the dental data are associated with an actual person.
3. (Currently Amended) A data base ~~as defined in~~ according to claim 1 ~~and claim 2,~~ ~~characterized in that wherein~~ the dentition-specific ~~structure comprises~~ features comprising data representing ~~the number, position, character, and anomalies of teeth of various types as well as~~ and their cooperation with each other.
4. (Currently Amended) A data base ~~as defined in~~ according to ~~any one of claims 1 to 3,~~ ~~characterized in that~~ claim 1, further comprising a materialized dentition-specific structure ~~has been ascertained from any number of individual dentition-specific structures~~ features of individual dentitions.
5. (Currently Amended) A data base ~~as defined in~~ according to ~~any one of claims 1 to 4,~~ ~~characterized in that~~ claim 1, further comprising an individualized materialized dentition-specific structure ~~has been ascertained from any number of individual dentition-specific structures~~ features of individual dentitions.

6. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 5, characterized in that ~~claim 1, wherein~~ the tooth-specific structure consists of features include data which represent the position, shape, character, and anomalies of an individual tooth at any position in the dentition.
7. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 6, characterized in that ~~claim 1, further comprising~~ a materialized tooth-specific structure ~~has been~~ ascertained from any number of individual tooth-specific ~~structures- features~~ of individual teeth situated at ~~the~~ a same position in the dentition.
8. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 7, characterized in that ~~claim 1, further comprising~~ an individualized materialized tooth-specific structure ~~has been~~ ascertained from any number of individual tooth-specific ~~structures- features~~ of individual teeth situated at the same position in the dentition.
9. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 8, characterized in that ~~in the data base(s) there are~~ claim 1, further comprising additionally stored data relating to dental design features based on at least one of the dentition-specific ~~and/or and~~ tooth-specific ~~structure features~~.
10. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 9, characterized in that claim 1, wherein said the data base(s) are ~~base being~~ located directly on the premises, or when ~~the said data base(s) are~~ base is not located on the premises, ~~they can be~~ said data base being situated at any place in the world and accessed by telecommunication means.
11. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 10, characterized in that ~~the~~ claim 1, wherein said data base is ~~being~~ equipped with at least one of one or more input units ~~and/or and~~ one or more output units.

12. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 11, characterized in that claim 11, wherein the input ~~units~~ unit ~~comprise~~ comprising at least one of a keyboard and display means ~~and/or~~ and a monitor.

13. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 12, characterized in that claim 12, wherein said data base being accessible by at least one of a client and a user ~~the client and/or user accesses the data base(s) with the aid of the input and display unit(s) unit for fetching and fetches data from them~~ said unit as shown on the display ~~unit(s)~~ unit.

14. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 13, characterized in that the claim 13, wherein an interaction between the input ~~unit(s)~~ unit, display ~~unit(s)~~ unit, and data ~~base(s)~~ base is supported by at least one computer program.

15. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 14, characterized in that claim 14, wherein an the exchange of data between ~~the~~ an operating or display ~~terminals~~ terminal is only possible with the aid of a payment system.

16. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 15, characterized in that claim 15, wherein the computer program synthesizes a single new data set from selected data sets.

17. (Currently Amended) A data base ~~as defined in~~ according to any one of claims 1 to 16, characterized in that claim 1, wherein the data of the data base serve to construct a tooth model.

18. (Currently Amended) A tooth model, ~~whose~~ comprising at least one of an outer surface and an inner surfaces ~~and/or~~ and an internal structure ~~are~~ specified by means of data and ~~are~~ displayed on an output device, ~~characterized in that~~ wherein the data used for this purpose are taken from a data base and ~~that the~~ said data are suitably adapted.

19. (Currently Amended) A tooth model ~~as defined according to~~ in claim 18, ~~characterized in that wherein~~ the data ~~comprise comprising~~ at least one of sex-specific, and/or tooth family-specific, and/or biography-specific, and/or ~~and~~ person-specific characteristics with or without anomalous peculiarities.

20. (Currently Amended) A tooth model ~~as defined in any one of the previous claims,~~ ~~characterized in that~~ according to claim 19, wherein the data exist as digital data and ~~that the~~ tooth model ~~can be displayed being displayable~~ as a 3-D representation.

21. (Currently Amended) A tooth model ~~as defined in any one of the afore-mentioned claims,~~ ~~characterized in that the tooth model comprises~~ according to claim 18, further comprising a group of teeth.

22. (Currently Amended) A tooth model ~~as defined in any one of the afore-mentioned claims,~~ ~~characterized in that~~ according to claim 18, further comprising it ~~com-prises~~ an occlusal surface comprising one or more teeth.

23. (Currently Amended) A tooth model ~~as defined in any one of the afore-mentioned claims,~~ ~~characterized in that~~ according to claim 18, wherein the data of the teeth opposite each other during chewing ~~are being~~ taken into account.

24. (Currently Amended) A tooth model ~~as defined in any one of the above claims,~~ ~~characterized in that the tooth model has been~~ according to claim 18, wherein the tooth model being constructed with the aid of a tooth data bank and ~~can be being~~ individualized by means of software support.

25. (Currently Amended) A tooth model ~~as defined in any one of the above claims,~~ ~~characterized in that the tooth model has been~~ according to claim 18, wherein the tooth model being constructed with the aid of the tooth data bank and ~~can be being~~ interactively individualized according to ~~the~~ concepts of a person.

26. (Currently Amended) A method of conceiving a tooth model whose external shape and/or internal structure is at least one of designed and/or and constructed by means of data which represent at least one of sex-specific, and/or race-specific, and/or biography-specific and/or and person-specific characteristics, with or without anomalous characteristics, ~~characterized in that the said method comprising at least one of a user and/or and the a client,~~ with the aid of an electronic data processing system,

- ~~accesses~~ accessing said data base,
- ~~combines~~ combining these data on display means to form an image of a tooth model,
- and, with the aid of said image of a tooth model, ~~produces~~ producing the tooth model, whose shape can be processed with ~~the aid of the~~ input and output devices of the electronic data processing system.

27. (Currently Amended) A method ~~as defined in~~ according to claim 26, ~~characterized in that further comprising displaying and processing the image of the tooth is displayed in three dimensions and can be processed.~~

28. (Currently Amended) A method ~~as defined in claim 27 and claim 28,~~ ~~characterized in that according to claim 27, further comprising reproducing the displayed image is just in time reproduced~~ as a three-dimensional model.

29. (Currently Amended) A data base ~~as defined in any one of the above claims,~~ ~~characterized in that the~~ according to claim 28, wherein a body displayed on the display unit(s) unit is a tooth model of a dental close-fit replacement item corresponding to an actual treatment situation, planned or existent.

30. (Currently Amended) A restorative item ~~as defined in any one of the previous claims,~~ ~~characterized in that it has been~~ being produced by the method of claim 26 and being designed using at least one of a tooth model and/or and a tooth data bank and is being produced therefrom from said tooth model and tooth data bank immediately.